LEO DONG

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EDUCATION

University of New South Wales
Bachelor of Computer Science & Law
(2012 - 2016)

Bucerius Law School, Hamburg
International and Comparative Law Exchange
(2016)

SKILLS & TOOLS

- Python (NumPy, Pandas, Matplotlib, Scikit Learn)
- R (tidyr, dplyr, ggplot2, xgboost, glmnet)
- SQL, Hadoop, Spark
- Cloud computing
- Git, Shell scripting, CLI
- Machine Learning (regression, classification, GBMs, HMMs, Time Series Forecasting)
- Data strategy and architecture
- Data visualisation

AWARDS & INTERESTS

Awards

- **AWS DeepRacer Championship** | Placed 2nd out of 66 teams
  (2021)
- **AFR Most Innovative Company in Financial Services** | Vonto
  (2020)
- **NASA Hackathon** | Finalist
  (2018)

Interests

- Painting
- Photography
- Football
- Futsal
- Skiing
- Scuba diving

EXPERIENCE

Lead Data Scientist
Vonto | funded by X15 Ventures
(Apr 2020 - Present)

- Led data science strategy and model build for an early stage B2B start-up that is reducing noise and complexity for small businesses.
- Advised on evidence-based initiatives to augment customer growth, leading to increases of user activation by over 70% month on month.
- Developed ML models and data ingestion pipelines in Azure to:
  - Forecast business expenses from accounting API data.
  - Model engagement from web interactions and user attributes.

Data Scientist
Commonwealth Bank of Australia
(Oct 2017 - Apr 2020)

- Productionised from end-to-end, DS projects at Australia's largest financial institution (EDA, architectural design, ops coordination, writing production code in Scala/SQL and model monitoring):
  - Bill Sense - predicted bill amount, frequency and future recurrence for over 7 million customers with ~90% accuracy
  - Payment Change Alert - push notifications are sent to customers when their regular bill (such as Netflix) changes in price, and is now the most positively reviewed customer message ever sent.
  - Benefits Finder - matched eligible customers with government rebates, saving customers in excess of half a billion dollars.
  - Regular Payments - first customer-facing ML models in the bank.
- Shaped Australian fiscal policy during the COVID-19 pandemic via economic predictions based on longitudinal customer data, fed directly to the national Cabinet.

Academic Tutor | Masters of Data Science
University of Technology Sydney
(Jun 2020 - Present)

- Guided master's students through the development of projects including a traffic collision prediction app for the NSW government.

Graduate Analyst
Commonwealth Bank of Australia
(Nov 2015 - Jul 2016 | Feb 2017 - Oct 2017)

- Analysed technology usage and contingent employee spend to enable strategic contract negotiations with enterprise IT providers.

VOLUNTEERING

Mentor | Women in Engineering
University of Technology Sydney
2019 - Present

- Assisted undergrad and postgrad students make the transition from academia to industry.